



**DEPARTAMENTO “SEGURIDAD OPERACIONAL”**  
**SUBDEPARTAMENTO “LICENCIAS”**  
**SECCIÓN EVALUACIONES**

**“CESSNA SKYHAWK C-172SP”**  
**“LOS CEDROS”**

**I. .- Limitaciones de Operación**

**1.- Limitaciones (Velocidades)**

	KIAS
Va	105
Vne	163
Vno	129
Vfe 10°	110
Vs	48
Vso	40
Vx	62
Vy	74
Vr	60
Vapp (Flap DN)	60-70
Vplaneo	65
Max Cross Wind	15

**2.- Combustible (U.S. GAL)**

Tipo a Utilizar	100/130
Capacidad Total	56
Capacidad Usable	53
Flujometro (GPH)	
Desde	0
Hasta	12

**3.- Pesos (LBS)**

Máximo TAKE-OFF	2.550
Máximo Equipaje	120

**4.- Motor (Potencia Máx Continua)**

Limitaciones Operativas de Motor	
Razón HP o BHP	180
Máximas RPM	2.700
RPM estáticas	
Máximas	2.400
Mínimas	2.300
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	115
Mínima	20

**5.- Limites de maniobras (Cat. Normal)**

MANIOBRA	KIAS
Stall (Except whip stall)	SLOW DECCELERATION
Escarpados	95
Ocho Flojo	105
Chandela	105

## II. Emergencies Procedures

### A. ENGINE FAILURE DURING TAKEOFF ROLL

- |             |       |
|-------------|-------|
| 1. Throttle | IDLE  |
| 2. Brakes   | APPLY |

### B. ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

- |              |                    |
|--------------|--------------------|
| 1.- Airspeed | 70 KIAS (FLAPS UP) |
|              | 65 KIAS (FLAPS DN) |

### C. ENGINE FAILURE DURING FLIGHT (restart Procedures)

- |                               |         |
|-------------------------------|---------|
| 1. Airspeed                   | 68 KIAS |
| 2. Fuel Shutoff Valve         | ON      |
| 3. Fuel Selector Valve        | BOTH    |
| 4. Auxiliary Fuel Pump Switch | ON      |
| 5. Mixture                    | RICH    |

### D. FIRE DURING START ON GROUND

- |                    |                          |
|--------------------|--------------------------|
| 1. Ignition Switch | START, Continue Cranking |
|--------------------|--------------------------|

If Engine Starts:

- |           |                                 |
|-----------|---------------------------------|
| 2. Power  | 1.800 RPM for a few minutes     |
| 3. Engine | SHUTDOWN and inspect for damage |

If engine fails to start:

- |                        |                     |
|------------------------|---------------------|
| 4. Throttle            | FULL OPEN           |
| 5. Mixture             | IDLE CUT-OFF        |
| 6. Cranking            | CONTINUE            |
| 7. Fuel Shutoff Valve  | OFF (pull full out) |
| 8. Auxiliary Fuel Pump | OFF                 |

#### E. ENGINE FIRE IN FLIGHT

- |                               |              |
|-------------------------------|--------------|
| 1. Mixture                    | IDLE CUT-OFF |
| 2. Fuel Shutoff Valve         | OFF          |
| 3. Auxiliary Fuel Pump Switch | OFF          |
| 4. Master Switch              | OFF          |

#### F. ELECTRICAL FIRE IN FLIGHT

- |                           |          |
|---------------------------|----------|
| 1. Master Switch          | OFF      |
| 2. Vents, Cabin Air, Heat | CLOSED   |
| 3. Fire Extinguisher      | ACTIVATE |

#### G. CABIN FIRE

- |                           |          |
|---------------------------|----------|
| 1. Master Switch          | OFF      |
| 2. Vents, Cabin Air, Heat | CLOSED   |
| 3. Fire Extinguisher      | ACTIVATE |

#### H. WING FIRE

- |                                |     |
|--------------------------------|-----|
| 1. Landing/Taxi Light Switches | OFF |
| 2. Navigation Light Switch     | OFF |
| 3. Strobe Light Switch         | OFF |
| 4. Pitot Heat Switch           | OFF |